

PARAM[®] FIT-01 Film Impact Tester

PARAM FIT-01 Film Impact Tester is designed to precisely measure the impact resistance of plastic films, sheets, laminated films and foils and etc.

Features

- Micro computer control, LCD display
- Menu interface, PVC operation panel
- Electronic measurement
- Pneumatic clamping of specimen
- Pneumatic releasing of pendulum
- Horizontal adjustment supporting system
- Statistical analysis of test data
- Adjustable testing range
- Mini-printer
- RS232 port
- Network transmission interface for LAN data management and Internet data transmission



Principle

This instrument evaluates the impact resistance of films by observing the energy loss when the hemispherical head impacts and passes through the sample at a certain speed.

Technical Indexes

- Impact energy: 1J, 2J, 3J (standard)
- Resolution: 0.001J
- Pendulum tip sizes: 25.4mm, 19mm, 12.7mm (Non-standard requests can be customized)
- Clamp diameter: 89mm, 60mm
- Specimen sizes: 100mm x 100mm, or 100mm
- Pressure of compressed air: 0.6MPa (compressed air should be provided by users)
- Compressed air inlet size: 6mm polyurethane pipe
- Dimensions: 600mm(L)×390mm(B)×600mm(H)
- Power: AC 220V 50Hz
- Net weight: 64kg

Standards

ASTM D3420, GB 8809-88, NF T54-116

Configuration

Standard: mainframe, 1J basic pendulum, 2J weight, 3J weight, standard pendulum tip (25.4mm), standard pendulum tip (19mm), one pair of standard plywood 89mm (with O-ring), one pair of standard plywood 60mm (with O-ring)

Optional: software, communication cable, non-standard pendulum tip, O-ring

Note: the compressed air inlet of this tester is 6mm polyurethane pipe; users should provide compressed air by themselves.